soluble in an alkali aqueous solution and having a repeating unit shown by the following formula (a), (C) a crosslinking agent causing crosslinking with the resin of component (B) by the action of an acid, and (D) a compound having at least one unsaturated bond capable of being polymerized by an acid and/or a radical,

wherein R₁ represents a hydrogen atom, a halogen atom, a cyano group, or an alkyl or haloalkyl group which may have a substituent; R₂ represents a hydrogen atom, or an alkyl, cycloalkyl, aryl, aralkyl, or acyl group which may have a substituent; R₃ and R₄, which may be the same or different, each represents a hydrogen atom, a halogen atom, a cyano group, or an alkyl, cycloalkyl, alkenyl, aralkyl, or aryl group which may have a substituent; A represents a single bond, or a divalent alkylene, alkenylene, cycloalkylene, or arylene group which may have a substituent, or -O-, -SO₂-, -O-CO-R₅-, -CO-O-R₆-, or -CO-N(R₇)-R₈-; R₅, R₆, and R₈, which may be the same or different, each represents a single bond, or an alkylene, alkenylene, cycloalkylene, or arylene group, which may have a substituent, singly or a divalent group formed by combining the above-described group and at least one kind selected from an ether structure, an ester structure, an amide structure, a urethane

structure, and a ureido structure; R₇ represents a hydrogen atom, or an alkyl, cycloalkyl, analkyl, or aryl group which may have a substituent; and n represents an integer of from 1 to 3; provided that plural R₂s, or R₂ and R₃ or R₄ may combine with each other to form a ring.

- 9 (amended). A negative-working resist composition for electron beams or X-rays comprising
- (A) a compound generating an acid and/or radical species by the irradiation of electron beams or X-rays,
- (B') a resin having at least one unsaturated bond polymerizable by an acid and/or an alkali, which is insoluble in water but soluble in an alkali aqueous solution, and containing a repeating unit shown by the following formula (a'), and
- (C) a crosslinking agent causing crosslinking with the resin (B') by the action of an acid;

$$-CH_{2}-C-C-$$

$$A_{1}$$

$$R_{5}$$

$$R_{6}$$

$$R_{6}$$

$$R_{2}$$

$$OR_{3}$$

$$OR_{3}$$

$$(a')$$

wherein R_1 ' represents a hydrogen atom, a cyano group, or an alkyl or haloalkyl group which may have a substituent;

 R_2 ' to R_4 ' each represents a hydrogen atom, a group shown by the formula (b), (c), or (d) described below, or an alkyl, cycloalkyl, aryl, aralkyl, or acyl group which may have a substituent; and

 R_5 ' and R_6 ', which may be the same or different, each represents a hydrogen atom, a hydroxyl group, a halogen atom, a cyano group, or an alkyl, cycloalkyl, alkenyl, aralkyl, or aryl group which may have a substituent;

$$R_{15}' - O - C - C - C - C - C - C - A_4$$
 (d)

wherein R_7 ' to R_{12} ', R_{16} ', and R_{17} ' each represents a hydrogen atom, a halogen atom, a cyano group, or an alkyl or haloalkyl group which may have a substituent;

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 R_{13} ' and R_{14} ' each represents a hydrogen atom, a halogen atom, a hydroxy group, or an alkyl, alkoxy, or acyloxy group which may have a substituent;

R₁₅' represents a hydrogen atom or an alkyl, cycloalkyl, aralkyl, or aryl group which may have a substituent;

 A_1 represents a single bond, or a divalent alkylene, alkenylene, cycloalkylene, or arylene group which may have a substituent, or -O-, -SO₂-, -O-CO-R₂₀'-, -CO-O-R₂₁'-, or -CO-N(R₂₂')-R₂₃'-;

R₂₀', R₂₁', and R₂₃', which may be the same or different, each represents a single bond, or a divalent alkylene, alkenylene, cycloalkylene, or arylene group which may have an ether structure, an ester structure, an amide structure, a urethane structure, or a ureido structure or may have a substituent;

 R_{22} ' represents a hydrogen atom, or an alkyl, cycloalkyl, aralkyl, or aryl group which may have a substituent;

 A_2 represents a single bond, -O- R_{21} '-, or -N(R_{22} ')- R_{23} '-;

A₃ represents a single bond, -SO₂-, or an arylene group which may have an alkylene structure or may have a substituent;

A₄ represents a single bond, a divalent alkylene, cycloalkylene, or arylene group which may have a substituent, or -O-. -SO₂-, -CO-. or -CO-O-R₂₁'-;

x, y, and z in the formula (a') each represents 0 or 1 and m and n in the formula (c) each represents 0 or an integer of at least 1, provided that in the formula (a'), at

least one repeating unit has the group of the formula (b), (c), or (d); and two of R_2 ' to R_4 ', or one of R_2 ' to R_4 ' and R_5 ' or R_6 ' may combine with each other to form a ring.